

Designing Craters: Creating a Deep Impact

Thinking about Scientific Modeling

STUDENT HANDOUT

DIRECTIONS

After reading "Deep Impact Cratering Research: Scientific Modeling in Action" write a paragraph that responds thoroughly to the following questions:

- How is the impact event in your experiment similar to the Deep Impact event?
- How is your experiment different?
- What does your experiment tell you that also will apply to cratering on a comet?
- What are the added benefits to the way the Deep Impact scientists conducted their experiments?
- Why do you think scientists rely on small scale modeling, even though it is not an exact replication of events?